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Preface

The Third International Conference on Advanced Computational Methods in Engineering (ACOMEN 2005), was held in Ghent, Belgium, on 30 May–2 June, 2005. The international conference on advanced computational methods in engineering is an initiative of the universities of Ghent and Liège. The conference is alternatively organized in one of these institutions. The first edition was held in Ghent in 1998. The second edition was held in Liège in 2002.

The objective of the conference is to bring together researchers from different disciplines in engineering where advanced computational methods are crucial and to stimulate interaction between these disciplines. The engineering fields covered by the conference include electromagnetism, solid mechanics, fluid mechanics, heat transfer, system analysis, acoustics, and applied mathematics.

At the edition 2005 of the conference 99 papers were presented from all fields in computational methods in engineering. For the special issue of the Journal of Computational and Applied Mathematics, 36 papers were selected after careful peer-review according to the scope and the editorial policy of the journal.

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